

Amendments to the drawings

Applicant submits a replaced sheet of Fig. 1, which corrects the element 10 from "ADC" to "DAC". Also, Applicant submits a new sheet of Fig. 5, which shows every feature of the invention specified in the claims.

Amendments to the specification

Applicant inserts a new paragraph between [para 24] and [para 25]. Also, Applicant inserts a new paragraph after [para 15] in the "BRIEF DESCRIPTION OF DRAWINGS".

[para between [para 24] and [para 25]] According to the above-described method, Fig. 5 shows the diagram of the control circuit of the present invention. First, a digital to analog converter (DAC) 10 transforms a digital control signal 12 into an analog control signal 14. An error signal 16 generated by subtracting a feedback signal 42 from the analog control signal 14 is input into a compensator 20. The compensator 20 generates and transmits a driving signal 22 to an amplifier 25 according to the error signal 16. Next, the amplifier 25 transforms the driving signal 22 into a driving current 28 transmitted to a laser diode (LD) 30. The laser diode 30 emits a laser beam 32 according to the driving current 28. After the laser beam 32 is received by a front monitor diode (FMD) 40, the front monitor diode outputs the feedback signal 42. Furthermore, an analog to digital converter (ADC) 50 receives the driving signal 22 from the compensator 20 and transforms the driving signal 22 to a driving signal value 52. A look up table 54, which stores the relationship of the driving signal and the temperature, generates a temperature value 56 according to the received driving signal value 52.

[para after [para 15]] Fig. 5 is a diagram of the control circuit of the present invention.